

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-13. (Canceled)

14. (Currently Amended) An infusion fluid warming apparatus for warming an infusion fluid to a predetermined temperature prior to supply of the infusion fluid into a living body through an infusion fluid tube, said apparatus comprising:

a tube holding device detachably holding the infusion fluid tube; and

a heat accumulator member generating a latent heat in phase change thereof from liquid phase to solid phase, said heat accumulator member being disposed in said tube holding device, so as to warm the infusion fluid passing through the infusion fluid tube that is held by said tube holding device, by the latent heat generated in the phase change from the liquid phase to the solid-phase. ~~phase,~~

wherein the latent-heat-type heat accumulator member is constituted by a heat accumulating material, a trigger member which initiates the phase change of the heat accumulating material from the liquid phase to the solid phase in response to a heat generation initiating operation, and a flexible accommodating bag which fluid-tightly accommodates the heat accumulating material and the trigger member,

the flexible accommodating bag has an outer bag constituted by a flexible sheet, and a heat conducting member including a portion held in contact with a warming surface of the flexible sheet that is to be opposed to the infusion fluid and another portion separated from the warming surface of the flexible sheet, and

the heat conducting member is provided by a plurality of flexible heat conducting fins each including an end portion connected to the warming surface of the

flexible sheet that is to be opposed to the infusion fluid and another end portion separated from the warming surface of the flexible sheet.

15. (Previously Presented) The infusion fluid warming apparatus according to claim 14, where said heat accumulator member includes one of paraffin-based heat accumulating material, salt-hydrate-based heat accumulating material and clathrate-hydrate-based heat accumulating material.

16. (Previously Presented) The infusion fluid warming apparatus according to claim 14, wherein said heat accumulator member includes a heat accumulating material which is held in the liquid phase even at a temperature lower than a melting point of said heat accumulating material and which is changed from the liquid phase to the solid phase in response to stimulus applied to said heat accumulating material.

17. (Canceled)

18. (Previously Presented) The infusion fluid warming apparatus according to claim 14,

wherein said tube holding device has a tube holding member holding the infusion fluid tube in a curved shape,

and wherein said accommodating bag is detachably held in contact with said tube holding member.

19. (Previously Presented) The infusion fluid warming apparatus according to claim 18,

wherein said accommodating bag is provided by a flexible sheet,

and wherein said accommodating bag has a heat conducting fin including an end portion connected to a contact portion of said flexible sheet that is in contact with said tube holding member, and another end portion separated from said contact portion of said flexible sheet.

20. (Previously Presented) The infusion fluid warming apparatus according to claim 14, wherein said tube holding device has an electric heater operable to heat said heat accumulator member so as to cause the phase change of said heat accumulator member from the solid phase to the liquid phase.

21. (Currently Amended) An infusion fluid warming bag which is to be disposed in the vicinity of an infusion fluid, for warming the infusion fluid to a predetermined temperature prior to supply of the infusion fluid into a living body, said infusion fluid warming bag comprising:

a bag-shaped main body; and

a heat accumulating material which is accommodated in said bag-shaped main body and which generates a latent heat in phase change thereof from liquid phase to solid ~~phase~~ phase,

wherein the bag-shaped main body has an outer bag constituted by a flexible sheet, and a heat conducting member including a portion held in contact with a warming surface of the flexible sheet that is to be opposed to the infusion fluid and another portion separated from the warming surface of the flexible sheet, and

the heat conducting member is provided by a plurality of flexible heat conducting fins each including an end portion connected to the warming surface of the flexible sheet that is to be opposed to the infusion fluid and another end portion separated from the warming surface of the flexible sheet.

22. (Canceled)

23. (Canceled)

24. (Currently Amended) The infusion fluid warming bag according to ~~claim 22,~~ claim 21, wherein said flexible sheet is a composite sheet including metal and resin layers that are superposed on each other.